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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 32860-000643/US

Inventor(s) Dirk HILLEBRAND; Hans Juergen MAYER; Daniel METZ; and Johannes SCHUCHART

Title METHOD AND SYSTEM TO DRILL HOLES IN AN ELECTRIC CIRCUIT SUBSTRATE

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 10]  
*(preferred arrangement set forth below)*  
 - Descriptive title of the Invention  
 - Cross References to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table, or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (*if filed*)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 3 ]
5. Oath or Declaration [Total Pages 1]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for a continuation/divisional with Box 18 completed)*  
 i.  **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)  
 8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*  
 a.  Computer Readable Form (CRF)  
 b. Specification Sequence Listing on:  
 i.  CD-ROM or CD-R (2 copies); or  
 ii.  paper  
 c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))  
 10.  37 C.F.R. §3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*
11.  English Translation Document (*if applicable*)  
 12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations  
 13.  Preliminary Amendment  
 14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*  
 15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*  
 16.  Request and Non Publication under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  
 17.  Other: Information Sheet

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)  
 Prior application information: Examiner \_\_\_\_\_ of prior application No: \_\_\_\_ / \_\_\_\_  
 Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

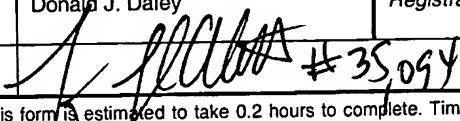
**17. CORRESPONDENCE ADDRESS** Customer Number or Bar Code Label

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Name (Print/Type)	Donald J. Daley	Registration No. (Attorney/Agent)	34,313
Signature			Date September 30, 2003

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22141-US-PTO  
10/673206

09/30/03

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16519 U.S. PTO  
09/03/60

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT** (\$ 750.00)

<i>Complete if Known</i>	
Application Number	NEW
Filing Date	September 30, 2003
Inventor(s)	Dirk HILLEBRAND; Hans Juergen MAYER; Daniel METZ; and Johannes SCHUCHART
Examiner Name	UNASSIGNED
Group / Art Unit	UMASSIGEND
Attorney Docket No	32860-000643/US

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																																														
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number <span style="border: 1px solid black; padding: 2px;">08-0750</span></p> <p>Deposit Account Name <span style="border: 1px solid black; padding: 2px;">Harness, Dickey &amp; Pierce, P.L.C.</span></p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p><b>3. ADDITIONAL FEES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Fee Code</th> <th style="text-align: left;">Large Entity Fee (\$)</th> <th style="text-align: left;">Small Entity Fee Code (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: right;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65 Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25 Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130 Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520 For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920* Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840* Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55 Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>410</td><td>216</td><td>205 Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>930</td><td>217</td><td>465 Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,450</td><td>218</td><td>725 Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,970</td><td>228</td><td>985 Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160 Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160 Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140 Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510 Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55 Petition to revive – unavoidable</td><td></td></tr> <tr><td>141</td><td>1,300</td><td>241</td><td>650 Petition to revive – unintentional</td><td></td></tr> <tr><td>142</td><td>1300</td><td>242</td><td>650 Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>470</td><td>243</td><td>235 Design issue fee</td><td></td></tr> <tr><td>144</td><td>630</td><td>244</td><td>315 Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130 Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50 Processing fee under 37 CFR 1.17 (q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180 Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40 Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>750</td><td>246</td><td>375 Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>750</td><td>249</td><td>375 For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>750</td><td>279</td><td>375 Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900 Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;">*Reduced by Basic Filing Fee Paid</td> <td style="text-align: right;"><b>SUBTOTAL (3)</b> <span style="border: 1px solid black; padding: 2px;">(\$ 0)</span></td> </tr> </tbody> </table>				Fee Code	Large Entity Fee (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105	130	205	65 Surcharge - late filing fee or oath		127	50	227	25 Surcharge - late provisional filing fee or cover sheet.		139	130	139	130 Non-English specification		147	2,520	147	2,520 For filing a request for reexamination		112	920*	112	920* Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840* Requesting publication of SIR after Examiner action		115	110	215	55 Extension for reply within first month		116	410	216	205 Extension for reply within second month		117	930	217	465 Extension for reply within third month		118	1,450	218	725 Extension for reply within fourth month		128	1,970	228	985 Extension for reply within fifth month		119	320	219	160 Notice of Appeal		120	320	220	160 Filing a brief in support of an appeal		121	280	221	140 Request for oral hearing		138	1,510	138	1,510 Petition to institute a public use proceeding		140	110	240	55 Petition to revive – unavoidable		141	1,300	241	650 Petition to revive – unintentional		142	1300	242	650 Utility issue fee (or reissue)		143	470	243	235 Design issue fee		144	630	244	315 Plant issue fee		122	130	122	130 Petitions to the Commissioner		123	50	123	50 Processing fee under 37 CFR 1.17 (q)		126	180	126	180 Submission of Information Disclosure Stmt		581	40	581	40 Recording each patent assignment per property (times number of properties)		146	750	246	375 Filing a submission after final rejection (37 CFR § 1.129(a))		149	750	249	375 For each additional invention to be examined (37 CFR § 1.129(b))		179	750	279	375 Request for Continued Examination (RCE)		169	900	169	900 Request for expedited examination of a design application		Other fee (specify) _____					*Reduced by Basic Filing Fee Paid				<b>SUBTOTAL (3)</b> <span style="border: 1px solid black; 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**or number previously paid, if greater; For Reissues, see above																																																																																																																																																																		

SUBMITTED BY		<i>Complete (if applicable)</i>		
Name (Print/Type)	Donald J. Daley	Registration No. Attorney/Agent)	34,313	703-668-8000
Signature			Date	September 30, 2003

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